



Water-Data Report 2008

08165500 Guadalupe River at Hunt, TX

Guadalupe Basin
Upper Guadalupe Subbasin

LOCATION.--Lat 30°04'11", long 99°19'17" referenced to North American Datum of 1927, Kerr County, TX, Hydrologic Unit 12100201, on left bank, 56 ft upstream and 252 ft to left of left end of bridge on State Highway 39, 0.6 mi downstream from confluence of North and South Forks, 0.8 mi east of Hunt, and at mile 430.9.

DRAINAGE AREA.--288 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1941 to Sept. 1948 (daily mean discharge below base 600 ft³/s), Oct. 1948 to Sept. 1949 (daily mean discharge below base 260 ft³/s), Aug. 1951 to Sept. 1964 (periodic discharge measurements only), Apr. 1965 to current year. Water-quality records: Chemical data: July 1965 to Apr. 1966, Dec. 1996 to June 1997. Biochemical data: July 1965 to Apr. 1966, Dec. 1996 to June 1997. Biological data: Dec. 1996 to June 1997. Radiochemical data: Dec. 1996. Pesticide data: Dec. 1996 to June 1997. Sediment data: Dec. 1996.

REVISED RECORDS.--WSP 2123: Drainage area.

GAGE.--Water-stage recorder and crest-stage gages. Datum of gage is 1,722.70 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records good. No known regulation. There are numerous diversions for irrigation above station, amounts unknown.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1900, 36.6 ft, July 2, 1932, from information by local resident (discharge, 206,000 ft³/s, determined by slope-area measurement 4.5 mi downstream from gage).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 230 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 14	2330	*103	*8.08

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	64	50	50	48	50	44	44	38	24	22	20	27
2	67	50	49	48	49	44	39	37	27	21	20	27
3	73	53	47	49	48	44	37	36	25	22	19	25
4	72	55	45	50	48	43	38	41	26	25	19	24
5	71	55	48	49	48	44	36	40	23	27	19	24
6	71	55	52	49	48	44	35	32	23	25	19	24
7	69	55	54	49	48	43	32	33	24	28	20	29
8	68	56	54	49	48	43	35	32	23	31	21	28
9	68	58	52	48	48	44	36	32	23	30	22	24
10	71	59	51	49	48	45	38	33	23	27	19	29
11	77	57	48	49	48	45	38	32	23	26	19	31
12	77	56	48	50	48	44	36	29	22	23	23	29
13	73	55	48	49	48	44	36	30	22	22	26	28
14	75	51	48	49	47	44	35	45	21	22	25	29
15	67	45	48	50	47	45	34	62	22	22	24	28
16	63	49	48	50	47	45	34	49	21	20	24	26
17	61	53	47	50	47	44	36	40	21	22	24	26
18	61	55	47	50	47	44	47	37	21	23	33	28
19	63	56	48	51	47	44	44	37	21	25	54	24
20	59	55	48	51	47	44	38	34	23	22	35	23
21	58	54	48	50	47	43	39	31	25	21	29	23
22	73	53	48	50	47	41	40	28	24	23	26	23
23	60	51	48	50	47	40	38	30	22	23	26	22
24	64	52	48	50	47	39	39	29	22	24	25	23
25	70	56	48	50	47	39	40	28	22	30	26	23
26	63	53	49	50	44	38	43	29	21	25	29	22
27	58	51	49	50	43	36	42	28	20	22	32	21
28	56	50	49	50	43	35	49	27	20	21	29	22
29	58	49	48	50	44	36	39	27	20	20	27	23
30	60	49	48	50	---	37	38	27	20	20	26	21
31	56	---	48	50	---	40	---	24	---	20	29	---
Total	2,046	1,596	1,511	1,537	1,365	1,305	1,155	1,057	674	734	789	756
Mean	66.0	53.2	48.7	49.6	47.1	42.1	38.5	34.1	22.5	23.7	25.5	25.2
Max	77	59	54	51	50	45	49	62	27	31	54	31
Min	56	45	45	48	43	35	32	24	20	20	19	21
Ac-ft	4,060	3,170	3,000	3,050	2,710	2,590	2,290	2,100	1,340	1,460	1,560	1,500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2008^b, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	107	79.0	69.9	59.5	60.0	61.6	78.4	80.9	81.0	81.5	97.3	67.5
Max	677	538	322	151	213	257	570	286	551	956	992	312
(WY)	(1986)	(2002)	(1985)	(1968)	(1992)	(1992)	(1977)	(1994)	(1987)	(1987)	(1978)	(1980)
Min	31.3	29.5	31.0	31.1	27.4	28.8	28.6	21.1	17.0	14.9	14.6	17.1
(WY)	(2007)	(2007)	(2007)	(1966)	(2007)	(1966)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)

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	Calendar Year 2007	Water Year 2008		Water Years 1965 - 2008^h	
Annual total	27,601	14,525			
Annual mean	75.6	39.7		77.4	
Highest annual mean			223	1987	
Lowest annual mean			27.6	1984	
Highest daily mean	2,610	May 25	77	Oct 11	22,200 Jul 17, 1987
Lowest daily mean	23	Feb 27	19	Aug 3	8.2 Jul 17, 1984
Annual seven-day minimum	24	Feb 27	19	Jul 31	9.4 Jul 12, 1984
Maximum peak flow			103	May 14	108,000 Jul 17, 1987
Maximum peak stage			8.08	May 14	28.38 Jul 17, 1987
Annual runoff (ac-ft)	54,750	28,810		56,070	
10 percent exceeds	128	56		95	
50 percent exceeds	50	42		48	
90 percent exceeds	28	22		28	

^h See Period of Record paragraph.

